

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently Amended) ~~An Apparatus~~ apparatus which is selectively and
2 alternatively operable as both a pump ~~or~~ and a valve comprising a pump
3 chamber, a fluid inlet, a fluid outlet, a single valve assembly having a fluid
4 inlet control portion and a fluid outlet control portion positioned both
5 between said fluid inlet and said pump chamber and between said pump
6 chamber and said fluid outlet, a plunger carrying a diaphragm in said
7 pump chamber, and a drive member selectively and alternatively
8 operable to ~~either~~ both reciprocate said plunger in said pump chamber to
9 draw fluid through said fluid inlet and expel fluid out through said fluid
10 outlet ~~or~~ and to position said plunger to allow fluid from said fluid inlet to
11 pass through said valve assembly and into said pump chamber and to
12 allow fluid from said pump chamber through said valve assembly and out
13 said fluid outlet.
- 1 2. (Original) The apparatus of claim 1 wherein said drive member is a linear
2 actuator having a shaft carrying said plunger.
- 1 3. (Currently Amended) ~~The An~~ apparatus of claim 1, which is selectively
2 operable as a pump or a valve comprising a pump chamber, a fluid inlet,
3 a fluid outlet, a single valve assembly positioned both between said fluid
4 inlet and said pump chamber and between said pump chamber and said
5 fluid outlet, a plunger carrying a diaphragm in said pump chamber, and a
6 drive member selectively operable to either reciprocate said plunger in
7 said pump chamber to draw fluid through said fluid inlet and expel fluid
8 out through said fluid outlet or to position said plunger to allow fluid from
9 said fluid inlet to pass through said valve assembly and into said pump
10 chamber and to allow fluid from said pump chamber through said valve
11 assembly and out said fluid outlet, said drive member being selectively

12 operable to move said plunger to close the communication between said
13 pump chamber and said fluid outlet.

1 4. (Currently Amended) ~~An apparatus~~ Apparatus which is selectively
2 operable as a pump or a valve comprising a pump chamber; a fluid inlet;
3 a fluid outlet; a valve assembly between said fluid inlet and said pump
4 chamber and between said pump chamber and said fluid outlet; a
5 plunger carrying a diaphragm in said pump chamber; a drive member
6 selectively operable to either reciprocate said plunger in said pump
7 chamber to draw fluid through said fluid inlet and expel fluid out through
8 said fluid outlet, or to position said plunger to allow fluid from said fluid
9 inlet to pass through said valve assembly and into said pump chamber
10 and to allow fluid from said pump chamber through said valve assembly
11 and out said fluid outlet, or to move said plunger to close the
12 communication between said pump chamber and said fluid outlet; and a
13 retainer having a passageway permitting communicating between said
14 pump chamber and said fluid outlet, and having a seat surface, said
15 diaphragm engaging said seat surface when said drive member operates
16 to move said plunger to close communication between said pump
17 chamber and said fluid outlet.

1 5. (Currently Amended) ~~An apparatus~~ Apparatus which is selectively and
2 alternatively operable as both a pump or and a valve comprising a pump
3 chamber, a fluid inlet, a fluid outlet, a single valve having an umbrella
4 portion between said fluid inlet and said pump chamber and a duckbill
5 portion between said pump chamber and said fluid outlet, a plunger
6 carrying a diaphragm in said pump chamber, and a drive member
7 selectively and alternatively operable to ~~either~~ both reciprocate said
8 plunger in said pump chamber to draw fluid through said fluid inlet and
9 expel fluid out through said fluid outlet ~~or~~ and to position said plunger to
10 allow fluid from said fluid inlet to pass through said valve assembly and

11 into said pump chamber and to allow fluid from said pump chamber
12 through said valve assembly and out said fluid outlet.

1 6. (Currently Amended) ~~An apparatus~~ Apparatus according to claim 5
2 ~~further~~ which is selectively operable as a pump or a valve comprising a
3 pump chamber, a fluid inlet, a fluid outlet, a valve having an umbrella
4 portion between said fluid inlet and said pump chamber and a duckbill
5 portion between said pump chamber and said fluid outlet, a plunger
6 carrying a diaphragm in said pump chamber, a drive member selectively
7 operable to either reciprocate said plunger in said pump chamber to draw
8 fluid through said fluid inlet and expel fluid out through said fluid outlet or
9 to position said plunger to allow fluid from said fluid inlet to pass through
10 said valve assembly and into said pump chamber and to allow fluid from
11 said pump chamber through said valve assembly and out said fluid
12 outlet, and a retainer having a passageway which permits communication
13 between said pump chamber and said duckbill portion.

1 7. (Currently Amended) ~~An apparatus~~ Apparatus according to claim 6, said
2 drive member being selectively operable to move said plunger so that
3 said diaphragm closes said passageway.

1 8. (Cancelled)

1 9. (Cancelled)

1 10. (Cancelled)

1 11. (Cancelled)

1 12. (Cancelled)